

Title (en)  
DICKKOPF2 (DKK2) INHIBITION SUPPRESSES TUMOR FORMATION

Title (de)  
DICKKOPF2 (DKK2)-HEMMUNG ZUR UNTERDRÜCKUNG DER TUMORBILDUNG

Title (fr)  
SUPPRESSION DE LA FORMATION DE TUMEURS PAR INHIBITION DE DICKKOPF2 (DKK2)

Publication  
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Application  
**EP 15816061 A 20150630**

Priority  
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Abstract (en)  
[origin: WO2016004055A1] The present invention relates to the discovery that inhibition of Dickkopf2 (DKK2) increases CD8+ cytotoxic T lymphocyte (CTL) activity, attenuates tumor angiogenesis, and hence suppresses tumor formation. Thus, in various embodiments described herein, the methods of the invention relate to methods of treating cancer by administering to a patient an effective amount of DKK2 gene depleting agent, methods for providing anti-tumor immunity and anti-tumor angiogenesis in a subject, methods of stimulating a T cell mediated immune response to a cell population or a tissue and suppressing tumor angiogenesis in a subject. Additionally, the current invention includes methods of diagnosing a cancer or a predisposition of developing a cancer or a metastasis and methods for determining the use of immunotherapy treatment or cancer vaccine for treating cancer. Furthermore, the invention encompasses a pharmaceutical composition for treating cancer as well as a kit for carrying out the aforementioned methods.

IPC 8 full level  
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MUNHOZ RODRIGO RAMELLA ET AL: "Recent advances in understanding antitumor immunity.", F1000RESEARCH 2016, vol. 5, 20 October 2016 (2016-10-20), pages 2545, ISSN: 2046-1402

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